

Use Attainability Analysis

for

WBID 2817 Pike Slough

Submitted by

Missouri Department of Natural Resources Staff

To

Missouri Department of Natural Resources  
Water Protection Program

**Field Data Sheets for Recreational Use Stream Surveys**

**Data Sheet A - Water Body Identification**

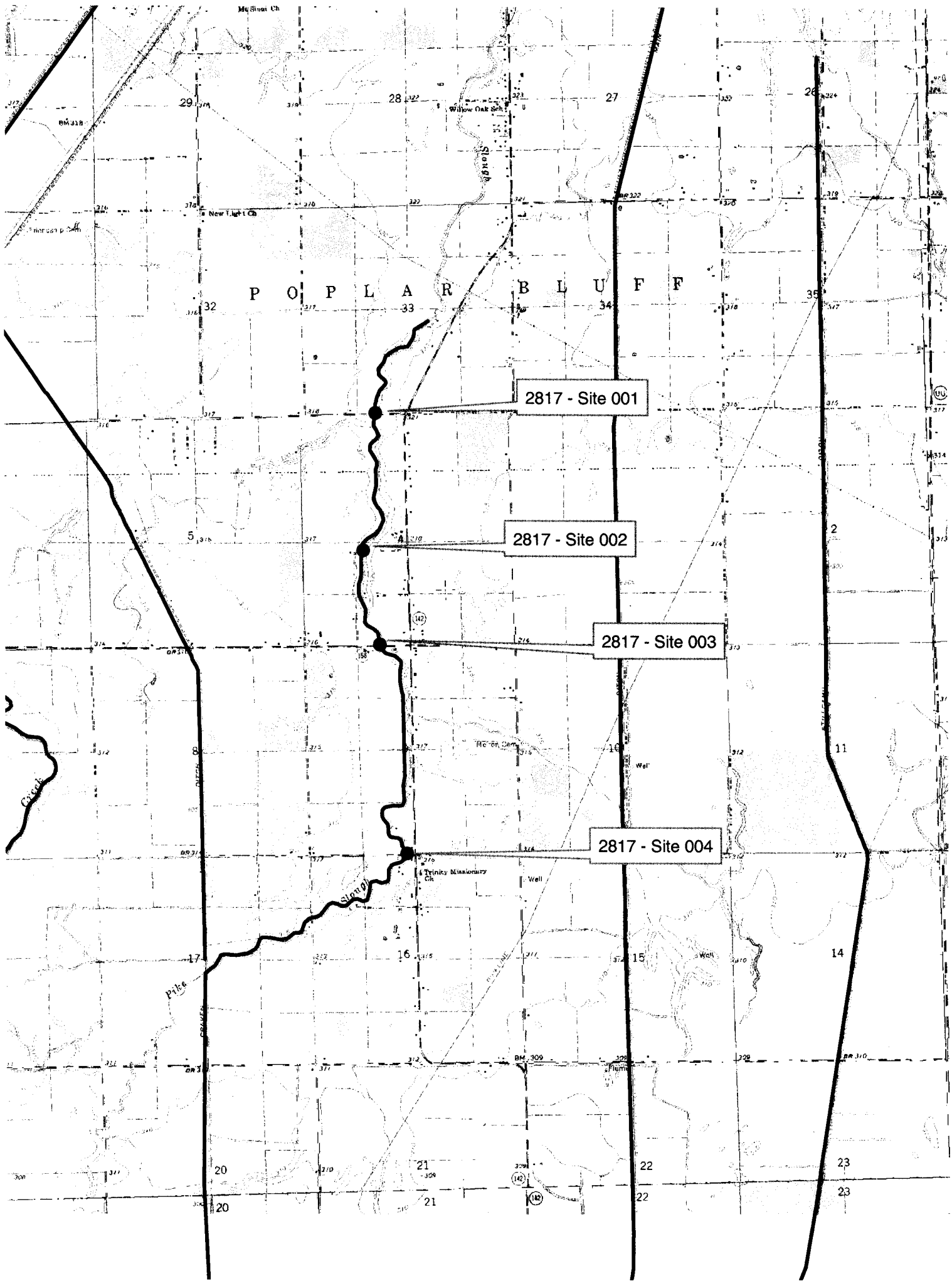
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2005 JUL 13 PM 1:32  
WATER PROTECTION PROGRAM

Water Body Name (from USGS 7.5' quad):	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Pike Slough
8-digit HUC:	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 11010007
Missouri WBID #:	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 2817
County:	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Butler
Upstream Legal Description:	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> SE 1/4 SW 1/4 SEC 33 T24N R6E
Downstream Legal Description:	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> NW 1/4 SE 1/4 SEC 17 T23N R6E
Upstream Coordinates:	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 36.67906 -90.42224°
Downstream Coordinates:	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 36.64832 -90.42070°
Discharger Facility Name(s):	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Discharger Permit Number(s):	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
Number of Sites Evaluated:	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> 4
Name of Surveyor and Telephone Number:	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Michael Hofner, Tim Southards 573-840-9750
Organization:	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> DNR- SERO
Position:	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Engineer

I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate.

Signed:   


Date: 7/6/05



# Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID #: 00000 2817	Site Location Description: 00000 001	
Site GPS Coordinates: 00000 36.67906	090.42224	
Date & Time: 00000 7/6/05	Facility Name: 00000	
Personnel: 00000 Tim Southard / Mike Hefner	Permit Number: 00000	
Current Weather Conditions: 00000 Sunny	Weather Conditions for Past 7 days: 00000 incl. on 7/4/05	
Photo Ids: Upstream: 00000 2817 Site 001 up	Downstream: 00000 2817 Site 001 down	Other: 00000

## Uses Observed\*:

Swimming	Skin diving	SCUBA diving	Tubing	Water skiing
Wind surfing	Kayaking	Boating	Wading	Rafting
Hunting	Trapping	Fishing	None of the above	Other: 00000
Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreational uses, etc.)				

Surrounding Conditions\*: (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.)

City/county parks	Playgrounds	MDC conservation lands	Urban areas	Campgrounds
Boating accesses	State parks	National forests	Nature trails	Stairs/walkway
No trespass sign	Fence	Steep slopes	Other: 00000 Ag Fields	

## Evidence of Human Use\*:

Roads	Foot paths/prints	Dock/platform	Livestock Watering	RV / ATV Tracks
Rope swings	Camping Sites	Fire pit/ring	NPDES Discharge	Fishing Tackle
Other: 00000 None				

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

\*Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

Page Two - WBID #000000: 2817

## Stream Morphology:

## Upstream View Physical Dimensions:

Rifle	Width (ft):	00000	Length (ft):	00000	Avg. Depth (ft):	00000	Max. Depth (ft):	00000
Run	Width (ft):	00000	Length (ft):	00000	Avg. Depth (ft):	00000	Max. Depth (ft):	00000
Pool	Width (ft):	00000	Length (ft):	00000	Avg. Depth (ft):	00000	Max. Depth (ft):	00000
Flow	Present?	Yes	No	Estimated (ft <sup>3</sup> /sec): 00000				

## Downstream View Physical Dimensions:

Rifle	Width (ft):	00000	Length (ft):	00000	Avg. Depth (ft):	00000	Max. Depth (ft):	00000
Run	Width (ft):	00000	Length (ft):	00000	Avg. Depth (ft):	00000	Max. Depth (ft):	00000
Pool	Width (ft):	00000	Length (ft):	00000	Avg. Depth (ft):	00000	Max. Depth (ft):	00000
Flow	Present?	Yes	No	Estimated (ft <sup>3</sup> /sec): 00000				

## Substrate\*: (These values should add up to 100%.)

00000% Cobble	00000% Gravel	00000% Sand	00000% Silt	100	00000% Mud/Clay	00000% Bedrock
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## Aquatic Vegetation\*: (note amount of vegetation or algal growth at the assessment site)

00000	None - upstream	Weeds - downstream
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## Water Characteristics\*: (Mark all that apply.)

Odor:	Sewage	Musky	Chemical	None	Other: 00000
Color:	Clear	Green	Gray	Milky	Other: 00000 None
Bottom Deposit:	Sludge	Solids	Fine sediments	None	Other: 00000
Surface Deposit:	Oil	Scum	Foam	None	Other: 00000

Comments: Please attach additional comments (including information from interviews) to this form.

00000

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I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate.

Signed: Michael Zeffner

Date: 7/6/05

Organization: DNR - SERO

Position: Engineer

2817\_001\_US



2817\_001\_DS



# Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID #: 00000 <b>2817</b>	Site Location Description: 00000 <b>002</b>	
Site GPS Coordinates: 00000 <b>36.66958</b>	090.42377	
Date & Time: 00000 <b>7/6/05</b>	Facility Name: 00000	
Personnel: 00000 <b>Hefner/Sourhards</b>	Permit Number: 00000	
Current Weather Conditions: 00000 <b>Sunny</b>	Weather Conditions for Past 7 days: 00000 <b>Inc on 7/4/05</b>	
Photo Ids: Upstream: 00000 <b>2817-Site 002-up</b>	Downstream: 00000 <b>2817-Site 002-down</b>	Other: 00000

## Uses Observed\*:

Swimming	Skin diving	SCUBA diving	Tubing	Water skiing
Wind surfing	Kayaking	Boating	Wading	Rafting
Hunting	Trapping	Fishing	<b>None of the above</b>	Other: 00000

Describe: (include number of individuals recreating, frequency of use, photo documentation of evidence of recreational uses, etc.)

Surrounding Conditions\*: (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.)

City/county parks	Playgrounds	MDC conservation lands	Urban areas	Campgrounds
Boating accesses	State parks	National forests	Nature trails	Stairs/walkway
No trespass sign	Fence	Steep slopes	Other: 00000 <b>Few Individual Homes</b>	

## Evidence of Human Use\*:

Roads	Foot paths/prints	Dock/platform	Livestock Watering	RV / ATV Tracks
Rope swings	Camping Sites	Fire pit/ring	NPDES Discharge	Fishing Tackle
Other: 00000 <b>None</b>				

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

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Page Two - WBID #00000: 2817

## Stream Morphology:

## Upstream View Physical Dimensions:

Riffle	Width (ft): 00000	Length (ft): 00000	Avg. Depth (ft): 00000	Max. Depth (ft): 00000
Run	Width (ft): 00000	Length (ft): 00000	Avg. Depth (ft): 00000	Max. Depth (ft): 00000
Pool	Width (ft): 00000.33	Length (ft): 00000	Avg. Depth (ft): 00000.5	Max. Depth (ft): 00000.5
Flow	Present? <input checked="" type="radio"/> Yes <input type="radio"/> No	Standing Water		Estimated (ft <sup>3</sup> /sec): 00000

## Downstream View Physical Dimensions:

Riffle	Width (ft): 00000	Length (ft): 00000	Avg. Depth (ft): 00000	Max. Depth (ft): 00000
Run	Width (ft): 00000	Length (ft): 00000	Avg. Depth (ft): 00000	Max. Depth (ft): 00000
Pool	Width (ft): 00000.33	Length (ft): 00000	Avg. Depth (ft): 00000.5	Max. Depth (ft): 00000.5
Flow	Present? <input checked="" type="radio"/> Yes <input type="radio"/> No	Standing Water		Estimated (ft <sup>3</sup> /sec): 00000

## Substrate\*: (These values should add up to 100%.)

00000% Cobble	00000% Gravel	00000% Sand	00000% Silt	100	00000% Mud/Clay	00000% Bedrock
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## Aquatic Vegetation\*: (note amount of vegetation or algal growth at the assessment site)

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## Water Characteristics\*: (Mark all that apply.)

Odor:	<input checked="" type="radio"/> Sewage	<input type="radio"/> Musky	<input type="radio"/> Chemical	<input checked="" type="radio"/> None	Other: 00000
Color:	<input checked="" type="radio"/> Clear	<input type="radio"/> Green	<input type="radio"/> Gray	<input type="radio"/> Milky	Other: 00000
Bottom Deposit:	<input type="radio"/> Sludge	<input type="radio"/> Solids	<input checked="" type="radio"/> Fine sediments	<input type="radio"/> None	Other: 00000
Surface Deposit:	<input type="radio"/> Oil	<input type="radio"/> Scum	<input type="radio"/> Foam	<input checked="" type="radio"/> None	Other: 00000

Comments: Please attach additional comments (including information from interviews) to this form.

00000

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I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate.

Signed: Michael HefnerDate: 7/6/05Organization: DNR-SELOPosition: Engineer



2817\_002\_US



2817\_002\_DS



# Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID #: <input type="text"/> 2817	Site Location Description: <input type="text"/> 003
Site GPS Coordinates: <input type="text"/> 36.66294	<input type="text"/> 090.42244
Date & Time: <input type="text"/> 7/6/05	Facility Name: <input type="text"/>
Personnel: <input type="text"/> Hefner/Southards	Permit Number: <input type="text"/>
Current Weather Conditions: <input type="text"/> Sunny	Weather Conditions for Past 7 days: <input type="text"/> inch on 7/4/05
Photo Ids: Upstream: <input type="text"/> Downstream: <input type="text"/> Other: <input type="text"/>	

## Uses Observed\*:

Swimming	Skin diving	SCUBA diving	Tubing	Water skiing
Wind surfing	Kayaking	Boating	Wading	Rafting
Hunting	Trapping	Fishing	(None of the above)	Other: <input type="text"/>

Describe: (include number of individuals recreating, frequency of use, photo documentation of evidence of recreational uses, etc.)

Surrounding Conditions\*: (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.)

City/county parks	Playgrounds	MDC conservation lands	Urban areas	Campgrounds
Boating accesses	State parks	National forests	Nature trails	Stairs/walkway
No trespass sign	Fence	Steep slopes	Other: <input type="text"/> Ag Fields	

## Evidence of Human Use\*:

Roads	Foot paths/prints	Dock/platform	Livestock Watering	RV / ATV Tracks
Rope swings	Camping Sites	Fire pit/ring	NPDES Discharge	Fishing Tackle
Other: <input type="text"/> No				

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

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Page Two - WBID #00000: 2517

## Stream Morphology:

## Upstream View Physical Dimensions:

Riffle	Width (ft): 00000	Length (ft): 00000	Avg. Depth (ft): 00000	Max. Depth (ft): 00000
Run	Width (ft): 00000	Length (ft): 00000	Avg. Depth (ft): 00000	Max. Depth (ft): 00000
Pool	Width (ft): 0000030	Length (ft): 0000060	Avg. Depth (ft): 00000.5	Max. Depth (ft): 00000 1 ft
Flow	Present? Yes <input checked="" type="radio"/> No <input checked="" type="radio"/>	Standing Water	Estimated (ft <sup>3</sup> /sec): 00000	

## Downstream View Physical Dimensions:

Riffle	Width (ft): 00000	Length (ft): 00000	Avg. Depth (ft): 00000	Max. Depth (ft): 00000
Run	Width (ft): 00000	Length (ft): 00000	Avg. Depth (ft): 00000	Max. Depth (ft): 00000
Pool	Width (ft): 0000030	Length (ft): 0000050	Avg. Depth (ft): 00000.5	Max. Depth (ft): 00000 1 ft
Flow	Present? Yes <input checked="" type="radio"/> No <input checked="" type="radio"/>	Standing Water	Estimated (ft <sup>3</sup> /sec): 00000	

## Substrate\*: (These values should add up to 100%.)

00000% Cobble	00000% Gravel	00000% Sand	00000% Silt	100	00000% Bedrock	00000% Mud/Clay
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## Aquatic Vegetation\*: (note amount of vegetation or algal growth at the assessment site)

00000	Algal growth on surface
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## Water Characteristics\*: (Mark all that apply.)

Odor:	Sewage	Musky	Chemical	None	Other: 00000
Color:	Clear	Green	Gray	Milky	Other: 00000
Bottom Deposit:	Sludge	Solids	Fine sediments	None	Other: 00000
Surface Deposit:	Oil	Scum	Foam	None	Other: 00000

Comments: Please attach additional comments (including information from interviews) to this form.

00000

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I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate.

Signed:



Date: 7-6-05

Organization:

DNR - SERO

Position

Engineer



2817\_003\_US



2817\_003\_DS



# Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID #: 00000 <b>2817</b>	Site Location Description: 00000 <b>004</b>
Site GPS Coordinates: 00000 <b>36.64832</b>	<b>090.42070</b>
Date & Time: 00000 <b>7/6/05</b>	Facility Name: 00000
Personnel: 00000 <b>Hefner / Southard</b>	Permit Number: 00000
Current Weather Conditions: 00000 <b>Sunny</b>	Weather Conditions for Past 7 days: 00000 <b>inlet on 7/4/05</b>
Photo Ids: Upstream: 00000 <b>2817, Site 004 up</b>	Downstream: 00000 <b>2817, Site 004 down</b>
Other: 00000	

## Uses Observed\*:

Swimming	Skin diving	SCUBA diving	Tubing	Water skiing
Wind surfing	Kayaking	Boating	Wading	Rafting
Hunting	Trapping	Fishing	<b>None of the above</b>	Other: 00000

Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreational uses, etc.)

Surrounding Conditions\*: (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.)

City/county parks	Playgrounds	MDC conservation lands	Urban areas	Campgrounds
Boating accesses	State parks	National forests	Nature trails	Stairs/walkway
No trespass sign	Fence	Steep slopes	Other: 00000 <b>Few Individual Homes</b>	

## Evidence of Human Use\*:

Roads	Foot paths/prints	Dock/platform	Livestock Watering	RV / ATV Tracks
Rope swings	Camping Sites	Fire pit/ring	NPDES Discharge	Fishing Tackle
Other: 00000 <b>None</b>				

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

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Page Two - WBID #00000: 2817

## Stream Morphology:

## Upstream View Physical Dimensions:

Rifle	Width (ft):	00000	Length (ft):	00000	Avg. Depth (ft):	00000	Max. Depth (ft):	00000
Run	Width (ft):	00000	Length (ft):	00000	Avg. Depth (ft):	00000	Max. Depth (ft):	00000
Pool	Width (ft):	00000	Length (ft):	00000	Avg. Depth (ft):	00000	Max. Depth (ft):	00000
Flow	Present?	Yes	No	Estimated (ft <sup>3</sup> /sec): 00000				

## Downstream View Physical Dimensions:

Rifle	Width (ft):	00000	Length (ft):	00000	Avg. Depth (ft):	00000	Max. Depth (ft):	00000
Run	Width (ft):	00000	Length (ft):	00000	Avg. Depth (ft):	00000	Max. Depth (ft):	00000
Pool	Width (ft):	00000	Length (ft):	00000	Avg. Depth (ft):	00000	Max. Depth (ft):	00000
Flow	Present?	Yes	No	Estimated (ft <sup>3</sup> /sec): 00000				

## Substrate\*: (These values should add up to 100%.)

00000% Cobble	00000% Gravel	00000% Sand	00000% Silt	100	00000% Mud/Clay	00000% Bedrock
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## Aquatic Vegetation\*: (note amount of vegetation or algal growth at the assessment site)

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## Water Characteristics\*: (Mark all that apply.)

Odor:	Sewage	Musky	Chemical	None	Other: 00000
Color:	Clear	Green	Gray	Milky	Other: 00000 None
Bottom Deposit:	Sludge	Solids	Fine sediments	None	Other: 00000
Surface Deposit:	Oil	Scum	Foam	None	Other: 00000

No Water in Ditch

Comments: Please attach additional comments (including information from interviews) to this form  
00000

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I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate.

Signed: Michael Hefner

Date: 7/6/05

Organization: DNR - SE Ro

Position: Engineer



2817\_004\_US



2817\_004\_DS

